

Serial No. 10/686,711

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 9, 11-15, 19, and 23-24 in accordance with the following:

1-8. (Cancelled)

9. (Currently Amended) A dehumidifying and air-conditioning apparatus comprising:
a dehumidifier rotor by which humidity is desorbed by a heated air; and
a heat exchange element providing heat exchange between two flow passages, the air dried by said dehumidifier rotor being supplied to a room through ~~one~~ a first passage of said heat exchange element, air from inside of the room being passed in ~~another~~ a second passage of said heat exchange element and discharged to the atmosphere, and water being supplied in the ~~another~~ second passage of said heat exchange element.

10. (Original) A dehumidifying and air-conditioning apparatus according to claim 9, in which said heat exchange element is a stationary sensible heat exchange element.

11. (Currently Amended) A dehumidifying and air-conditioning apparatus according to claim 9, in which ~~the~~ hot air from a source of exhaust heat is applied to a part of said dehumidifier rotor.

12. (Currently Amended) A dehumidifying and air-conditioning apparatus according to claim 9, in which the air coming out from the ~~another~~ one ~~second~~ passage of the heat exchange element has been humidified.

13. (Currently Amended) A dehumidifying and air-conditioning apparatus according to claim 12, in which the air coming out from the ~~another~~ second passage of said heat exchange element has been humidified by a water-spraying nozzle which forces micro-particles of water to flow with the air in the ~~another~~ second passage of said heat exchange element.

Serial No. 10/686,711

14. (Currently Amended) A dehumidifying and air-conditioning apparatus comprising:
a dehumidifier rotor by which ~~adsorbed~~ humidity is desorbed by a heated air; and
a heat exchange element providing heat exchange between two flow passages, the
~~heated air dried by said dehumidifier rotor being supplied to a room through one a first~~ passage
of said heat exchange element, air from inside of the room being passed in ~~another a second~~
passage of said heat exchange element and discharged to the atmosphere, and water being
supplied in the ~~another second~~ passage of said heat exchange element, drops of said water
being added in outer air and said outer air being passed in a part of the ~~other second~~ passage of
said heat exchange element.

15. (Currently Amended) A dehumidifying and air-conditioning apparatus according to
claim 14 in which the dehumidifier rotor is used as ~~the a~~ sound absorbing honeycomb material.

16-18. (Cancelled)

19. (Currently Amended) A dehumidifying and air-conditioning apparatus according to
claim 13, wherein the passages of the heat exchange element are isolated such that the dried
air in the ~~one first~~ passage is prevented from adsorbing moisture from the water supplied air in
the ~~another cooling~~ passage.

20-22. (Cancelled)

23. (Currently Amended) A dehumidifying and air-conditioning apparatus comprising:
a dehumidifier rotor in which moisture from humid air is captured by hot air; and
a heat exchange element providing heat exchange between at least two flow passages,
the air dried by said dehumidifier rotor being supplied to a room through ~~one a first~~ passage of
said heat exchange element, water is passed in ~~another a second~~ passage of said heat
exchange element, wherein the passages of the heat exchange element are isolated such that
the dry air in the ~~one first~~ passage is prevented from adsorbing moisture from the humidified air
in the ~~another second~~ passage.

24. (Currently Amended) A dehumidifying and air-conditioning apparatus comprising:
a dehumidifier rotor in which moisture from humid air is captured by hot air;

Serial No. 10/686,711

a heat exchange element providing heat exchange between at least two flow passages and including a separate cooling passage, the air dried by said dehumidifier rotor being supplied to a room through ~~one~~ a first passage of said heat exchange element, air from inside of the room, which is humidified, being passed in ~~another~~ the cooling passage of said heat exchange element; and

a hot air outlet which passes the hot air to the dehumidifier rotor, the outlet producing high frequency noise.